From wang!elf.wang.com!ucsd.edu!info-hams-relay Sun Apr 14 23:00:10 1991 remote
from tosspot
Received: by tosspot (1.64/waf)
     via UUCP; Tue, 16 Apr 91 23:03:59 EST
     for lee
Received: from somewhere by elf.wang.com
     id aa18731; Sun, 14 Apr 91 23:00:08 GMT
Received: from ucsd.edu by relay1.UU.NET with SMTP
     (5.61/UUNET-shadow-mx) id AA18344; Sun, 14 Apr 91 09:58:21 -0400
Received: by ucsd.edu; id AA04288
     sendmail 5.64/UCSD-2.1-sun
     Sun, 14 Apr 91 04:30:31 -0700 for nixbur!schroeder.pad
Received: by ucsd.edu; id AA04283
     sendmail 5.64/UCSD-2.1-sun
     Sun, 14 Apr 91 04:30:26 -0700 for /usr/lib/sendmail -oc -odb -oQ/var/spool/
lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9104141130.AA04283@ucsd.edu>
Date: Sun, 14 Apr 91 04:30:25 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@ucsd.edu>
Reply-To: Info-Hams@ucsd.edu
Subject: Info-Hams Digest V91 #296
To: Info-Hams@ucsd.edu

Info-Hams Digest Sun, 14 Apr 91 Volume 91 : Issue 296

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Apr 91 06:02:10 GMT
From: sdd.hp.com!news.cs.indiana.edu!ux1.cso.uiuc.edu!phil@ucsd.edu
Subject: Dayton frequencies

To: info-hams@ucsd.edu

allbery@NCoast.ORG (Brandon S. Allbery KB8JRR/AA) writes:

>As quoted from <40873@netnews.upenn.edu> by depolo@eniac.seas.upenn.edu (Jeff DePolo):
>+---------------
>| Last year those of you that were going to Dayton had picked a few
>| simplex frequencies - how did it work out? Having never been there,
>| I can only imagine the chaos on VHF and UHF FM in the area, but
>| if anybody wants to pick frequencies (I guess 220 and 440 would be
>| best), I'd be interested in meeting some of the Usenet personalities
>| (not all, mind you, but maybe some :-)
>+---------------

>Well, I have 223.52 programmed into my 220 HT because we have a small local
>group on that frequency....

That is awfully close to the simplex frequency, which is likely to be jammed
(as is the entire 2 meter band).

I would suggest some oddball (yet rememberable) frequencies for Dayton.

For instance: 221.720 and 441.720   (I just picked those at random)

>Anyone have a frequency on 1.2? :-)

There are a LOT of frequencies in that band, but unfortunately I have
NONE of them. I doubt I will anytime soon, either, as I can hardly
ever find anyone on 440 in my area.

Still, 23cm should be an easy enough band to work around on at Dayton.
--

 /**\
/ Phil Howard -- KA9WGN -- phil@ux1.cso.uiuc.edu | Guns don't aim guns at \
\ Lietuva laisva -- Brivu Latviju -- Eesti vabaks | people; CRIMINALS do!! /
 **/

Date: 14 Apr 91 06:40:35 GMT
From: swrinde!zaphod.mps.ohio-state.edu!sdd.hp.com!news.cs.indiana.edu!
ux1.cso.uiuc.edu!phil@ucsd.edu
Subject: DAYTON hamfest and fundamental OVERLOAD
To: info-hams@ucsd.edu

Dayton is an RF JUNGLE. Overload and crossmod abound.

So what about the following idea: Use a 10db or 20db attenuator on your HT

If the cross modulation is taking place in your radio's frontend, then a
10 db attenuator should reduce 3rd order intermods by 30db, and (assuming
the other party is doing the same thing) your useful signal by 20db.

If the crossmod is produced elsewhere, then the 10db won't help. But I
suspect a lot of it is in the frontends due to all the signal strengths.
Anyway I plan to give it a try and see how it affects all the crossmod
on 2m.

Golly gee... if it works, maybe we can get EVERYONE to do it :-)
--

 /**\
/ Phil Howard -- KA9WGN -- phil@ux1.cso.uiuc.edu | Guns don't aim guns at \
\ Lietuva laisva -- Brivu Latviju -- Eesti vabaks | people; CRIMINALS do!! /
 **/

Date: 14 Apr 91 05:53:20 GMT
From: news-mail-gateway@ucsd.edu
Subject: MSG to David Tocher - BC779 Front panel
To: info-hams@ucsd.edu

TO: DAVID TOCHER Math Dept Univ. Irland

Please Send me a msg to get a path to you

Tim Wright Dispatcher/Future Ham
WRIGHT@morekypr.BITNET
WRIGHT%morekypr@CUNYVM.CUNY.EDU.INTERNET

Morehead State University Police Department
100 Laughlin Building
MSU
Morehead, Ky. 40351 U.S.A.

Date: 14 Apr 91 06:33:45 GMT
From: news-mail-gateway@ucsd.edu
Subject: NASA Prediction Bulletins
To: info-hams@ucsd.edu

The most current orbital elements from the NASA Prediction Bulletins are
carried on the Celestial BBS, (513) 427-0674, and are updated several times
weekly. Documentation and tracking software are also available on this

system. As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space. This week's elements are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, or 2400 baud using 8 data bits, 1 stop bit, no parity.

- Current NASA Prediction Bulletins #834 -

```
Alouette 1
1 00424U 62B-A  1 91 97.77243115  .00000455  00000-0  53244-3 0  3962
2 00424  80.4697 355.6293 0021753 235.1571 124.7515 13.67506380422957
ATS 3
1 03029U 67111  A 91 93.81179965 -.00000075  00000-0  99999-4 0  5187
2 03029  13.5606  18.7315 0015904 227.2492 132.4924  1.00272810 85705
Cosmos 398
1 04966U 71016  A 91102.39824290  .00111233  00000-0  53165-3 0 04922
2 04966 051.5128 179.5596 2059968 012.9474 351.7486 11.52119119625386
Starlette
1 07646U 75010  A 91 93.44257480  .00000039  00000-0  78106-4 0  2016
2 07646  49.8197  93.1645 0205678  69.9955 292.2957 13.82153533815927
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1 08820U 76039  A 91 96.40423579  .00000005  00000-0  99999-4 0  2180
2 08820 109.8368  95.5766 0044295 176.1760 183.8927  6.38664264 92661
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1 10061U 77048  A 91101.78169883 -.00000257  00000-0  99999-4 0  5806
2 10061   8.7702  60.1271 0003940  21.8864 338.1519  1.00254745 52001
IUE
1 10637U 78012  A 91 96.91271659 -.00000180  00000-0  79862-4 0  2225
2 10637  32.7647 114.1073 1408277   1.1227 359.2449  1.00288027  9415
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1 10684U 78020  A 91 94.12726045  .00000004  00000-0  99999-4 0  6132
2 10684  63.9100  80.5188 0127729 200.5087 158.9536  2.00553735 81680
GPS-0002
1 10893U 78 47  A 91 95.62452119 -.00000022  00000-0  99999-4 0  3337
2 10893  64.2286 321.3429 0171523  23.6878 337.2440  2.00533155 94536
GOES 3
1 10953U 78062  A 91 96.12650824  .00000099  00000-0  99999-4 0   576
2 10953   7.6370  62.9750 0004047 105.1944 254.6952  1.00282591    13
SeaSat 1
1 10967U 78064  A 91 95.27361546  .00001856  00000-0  67477-3 0  4894
2 10967 108.0139 203.3023 0002536 236.1009 123.9911 14.36431515668387
GPS-0003
1 11054U 78093  A 91 93.87208620 -.00000021  00000-0  99999-4 0  3619
2 11054  63.7572 317.5496 0064217 116.9980 243.7057  2.00572381 91514
Nimbus 7
1 11080U 78098  A 91 86.73693432  .00000357  00000-0  35308-3 0  7370
2 11080  99.1750 349.9490 0009613  47.9953 312.2033 13.83526670627243
GPS-0004
1 11141U 78112  A 91 90.50727371  .00000004  00000-0  99999-4 0  1443
2 11141  63.8495  80.5318 0061558 311.4115  48.0539  2.00546501 90147
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1 11690U 80 11 A 91 96.12984738 .00000005 00000-0 99999-4 0 1057
2 11690 64.3367 82.6423 0122786 203.0830 156.3156 2.00551884 96112
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1 11783U 80 32 A 91 95.92533111 -.00000021 00000-0 99999-4 0 4068
2 11783 63.5636 316.9772 0162889 59.3932 302.2320 2.00576960 80196
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1 12472U 81049 A 91 98.04615071 .00000136 00000-0 99999-4 0   663
2 12472   4.2014 72.1400 0003117 282.6346 77.4892 1.00252445 35183
Cosmos 1383
1 13301U 82 66 A 91 94.01230107 .00000267 00000-0 30280-3 0 6939
2 13301 82.9292 87.6399 0029159 78.0258 282.4149 13.67901179437435
LandSat 4
1 13367U 82 72 A 91 97.64637557 -.00000662 00000-0 -14187-3 0 7312
2 13367 98.1190 158.7152 0002426 313.2369 46.8725 14.57151214464186
IRAS
1 13777U 83 4 A 91 86.02437821 .00000362 00000-0 27469-3 0 9128
2 13777 99.0138 283.2803 0012313 329.1255 30.9195 13.98911137 86486
Cosmos 1447
1 13916U 83 21 A 91 92.20645934 .00000325 00000-0 33234-3 0 7871
2 13916 82.9430 158.3862 0039821 54.2150 306.2676 13.74129195402368
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2 13969   5.1939 63.0926 0003641 326.8841 33.2484 1.00276471 2328
GOES 6
1 14050U 83 41 A 91101.03196172 .00000113 00000-0 99999-4 0 3984
2 14050   2.9783 74.7008 0001160 303.1214 57.1540 1.00282225 1127
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1 14129U 83 58 B 91 97.32732770 .00000024 00000-0 99999-4 0 6462
2 14129 25.8493 151.9623 6008503 231.4593 58.2833 2.05882614 30790
GPS-0008
1 14189U 83 72 A 91 98.84920780 .00000003 00000-0 99999-4 0 9079
2 14189 63.5206 78.5948 0143419 225.3179 133.5023 2.00568376 56699
LandSat 5
1 14780U 84 21 A 91 97.81845130 .00000428 00000-0 99999-4 0 5798
2 14780 98.2413 159.0434 0008834 179.5307 180.5206 14.57093089377623
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1 14781U 84 21 B 91100.55782054 .00003994 00000-0 72541-3 0 9585
2 14781 97.9062 147.8519 0013177 26.3107 333.8550 14.66666030379531
GPS-0009
1 15039U 84 59 A 91 96.03099321 .00000002 00000-0 99999-4 0 1797
2 15039 63.2702 77.7993 0028346 227.0133 132.7493 2.00565525 49915
Cosmos 1574
1 15055U 84 62 A 91 97.75203706 .00000236 00000-0 24194-3 0   403
2 15055 82.9589 205.1434 0026109 221.8419 138.0748 13.73439146340507
GPS-0010
1 15271U 84 97 A 91 98.46913919 -.00000021 00000-0 99999-4 0   234
2 15271 63.0517 316.2993 0112602 332.3581 27.0967 2.00564412 47073

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1 15331U 84105  A 91 97.93987221  .00006103  00000-0  79876-3 0  5208
2 15331  82.5239  87.4148 0024819  90.2089 270.1960 14.80059440351658
NOAA 9
1 15427U 84123  A 91102.28360107  .00000955  00000-0  53396-3 0  7252
2 15427  99.1729 114.2159 0014121 248.7678 111.1989 14.12944064326211
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1 16129U 85 93  A 91 94.19940955  .00000003  00000-0  99999-4 0  7360
2 16129  64.0328  79.0760 0122680 147.7995 212.9546  2.00564583 40190
Mir
1 16609U 86017  A 91102.48688569  .00068943  00000-0  66604-3 0 03675
2 16609 051.6003 260.5991 0008063 166.2503 193.9391 15.65721029294874
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1 16613U 86 19  A 91 97.66870296 -.00006259  00000-0 -29409-2 0  2815
2 16613  98.6957 172.8047 0002216  30.3117 329.5568 14.19995629105726
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1 16881U 86 55  A 91 94.11649281  .00004333  00000-0  57529-3 0  3766
2 16881  82.5266 149.6880 0023061 117.5675 242.7920 14.79424493252131
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1 16908U 86 61  A 91 97.19363411 -.00000043  00000-0 -30202-4 0  3443
2 16908  50.0083  72.1433 0011329 223.6359 136.3561 12.44393894211464
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1 16969U 86 73  A 91 97.93691543  .00001129  00000-0  50757-3 0  5672
2 16969  98.5720 123.9135 0014050 129.2742 230.9686 14.24039231236559
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1 17527U 87 18  A 91102.18476769 -.00002470  00000-0 -18287-2 0  7763
2 17527  99.0744 175.4087 0001321 166.9941 193.4924 13.94850476210947
GOES 7
1 17561U 87 22  A 91 98.75349979 -.00000045  00000-0  99999-4 0  7547
2 17561   0.0537 120.5656 0007317 286.6767 312.8294  1.00272554  8533
Kvant-1
1 17845U 87 30  A 91101.72124468  .00075301  00000-0  70274-3 0  5297
2 17845  51.6073 264.5082 0012518 166.5567 193.5625 15.66536367229483
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1 18123U 87 53  A 91 97.93888475  .00001482  00000-0  79144-3 0  8932
2 18123  98.8151 289.5988 0013575 265.5561  94.4060 14.14491798196062
RS-10/11
1 18129U 87 54  A 91101.77718635  .00000548  00000-0  59013-3 0  5805
2 18129  82.9217 107.9361 0012309  18.7583 341.3991 13.72171787190482
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1 18312U 87 68  A 91101.89804429  .00000297  00000-0  25901-3 0  6210
2 18312  82.5529  53.5274 0012595 126.6124 233.6204 13.83761980184298
Meteor 2-17
1 18820U 88  5  A 91101.97922738  .00000181  00000-0  15094-3 0  4705
2 18820  82.5410 112.9383 0015594 200.6880 159.3653 13.84468190161527
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1 18822U 88  6  A 91 97.95845552  .00001148  00000-0  53743-3 0  8305
2 18822  98.6046 335.3019 0007369 131.9716 228.2091 14.21918253164701
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Glonass 34
1 19163U 88 43  A 91 97.37178856  .00000020  00000-0  99999-4 0  2190
2 19163  64.9171 149.3326 0007129 198.2463 161.7991  2.13102539 22419
Glonass 36
1 19165U 88 43  C 91 96.49014360  .00000020  00000-0  99999-4 0  2104
2 19165  64.9045 149.3610 0004541 324.7890  35.2568  2.13102825 22392
AO-13
1 19216U 88 51  B 91 78.38609337  .00000215  00000-0  44351-3 0  2424
2 19216  56.8112 104.6916 7140389 249.8316  25.0884  2.09695125 21173
OKEAN 1
1 19274U 88 56  A 91 97.83090205  .00004275  00000-0  57987-3 0   834
2 19274  82.5134 244.9691 0020112 239.5124 120.4126 14.78566103148432
Meteor 3-2
1 19336U 88 64  A 91 98.88766015  .00000048  00000-0  10600-3 0  7187
2 19336  82.5420  68.2237 0016200 297.4131  62.5317 13.16916870129872
Glonass 39
1 19503U 88 85  C 91 96.97915507 -.00000018  00000-0  99999-4 0  1378
2 19503  65.4533  28.6814 0004478 198.6893 161.3003  2.13103690 19898
NOAA 11
1 19531U 88 89  A 91 99.26633402  .00001228  00000-0  69016-3 0  4775
2 19531  99.0242  53.5690 0012222 164.8291 195.3252 14.12059942130744
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1 19548U 88 91  B 91 89.96222724  .00000115  00000-0  99999-4 0  2353
2 19548   0.8252  79.5164 0002691 292.1952 348.3100  1.00279109  7797
Glonass 40
1 19749U 89  1  A 91 97.02056608  .00000020  00000-0  99999-4 0  9228
2 19749  64.8632 149.0086 0007196 272.1418  87.8421  2.13101908 17426
Glonass 41
1 19750U 89  1  B 91 97.07866039  .00000020  00000-0  99999-4 0  9749
2 19750  64.8813 149.0281 0007294 256.2915 103.7035  2.13102378 17421
GPS BII-01
1 19802U 89 13  A 91 58.17527061  .00000017  00000-0  99999-4 0  2319
2 19802  55.0455 187.3559 0050904 163.2354 196.8890  2.00558153 14865
Akebono
1 19822U 89 16  A 91 97.42320641  .00035886  00000-0  20258-2 0  9836
2 19822  75.0700  92.8347 4101369  31.4906 347.6673  7.26210626 20957
Meteor 2-18
1 19851U 89 18  A 91101.08966956  .00000466  00000-0  40853-3 0  4232
2 19851  82.5245 351.0991 0012668 250.6466 109.3304 13.84114412106772
MOP-1
1 19876U 89 20  B 91 83.49540771  .00000025  00000-0  99999-4 0  1840
2 19876   0.2910  50.4188 0001552 314.1531 355.4087  1.00273956  3471
TDRS 3
1 19883U 89 21  B 91 94.58139546 -.00000238  00000-0  99999-4 0  2360
2 19883   0.8522  80.1889 0004255 326.7120 313.3584  1.00263628 77817
GPS BII-02
1 20061U 89 44  A 91 58.00437706 -.00000034  00000-0  99999-4 0  2332
2 20061  54.8640   5.4895 0089842 183.4176 176.5173  2.00566400 12602
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1 20103U 89 50  A 91 97.88692303  .00000294  00000-0  30148-3 0  3159
2 20103  82.9569  67.7629 0036797 300.2981  59.4533 13.73673004 88176
GPS BII-03
1 20185U 89 64  A 91 57.34599602  .00000016  00000-0  99999-4 0  1766
2 20185  54.8906 188.1900 0021289 164.8064 195.2144  2.00568043 11161
GPS BII-04
1 20302U 89 85  A 91 41.91577973 -.00000024  00000-0  99999-4 0  1785
2 20302  54.4598 307.3315 0032510 329.9999  29.8633  2.00556091  9656
Meteor 3-3
1 20305U 89 86  A 91 97.77461293  .00000043  00000-0  99999-4 0  3312
2 20305  82.5534  10.2239 0016199 317.8402  42.1537 13.15945690 69692
COBE
1 20322U 89 89  A 91100.96981821  .00000510  00000-0  35075-3 0  2686
2 20322  99.0193 113.4830 0008365 263.5834  96.4392 14.03038823 71244
Kvant-2
1 20335U 89 93  A 91101.59364967  .00075264  00000-0  70274-3 0  6302
2 20335  51.6194 265.1602 0013187 167.6725 192.3980 15.66514420 78390
GPS BII-05
1 20361U 89 97  A 91 94.27896796  .00000013  00000-0  99999-4 0  1368
2 20361  55.0316 128.8202 0062922  60.9080 299.7837  2.00558030   188
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1 20436U 90  5  A 91 97.70440624  .00001008  00000-0  49108-3 0  5116
2 20436  98.6980 172.9302 0000744 108.6942 251.4289 14.20031447 62540
UO-14
1 20437U 90  5  B 91102.19987967  .00001197  00000-0  48882-3 0  3275
2 20437  98.6689 182.0325 0011166   5.6581 354.4337 14.29044588 63569
UO-15
1 20438U 90  5  C 91102.21837641  .00000776  00000-0  32476-3 0  2051
2 20438  98.6748 181.9723 0010211   5.5949 354.5319 14.28649698 63555
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1 20439U 90  5  D 91102.23899255  .00001191  00000-0  48525-3 0  2192
2 20439  98.6743 182.3695 0011900   8.1550 351.9729 14.29135378 63571
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1 20440U 90  5  E 91102.22307942  .00001295  00000-0  52544-3 0  2180
2 20440  98.6742 182.3927 0011905   9.4054 350.7186 14.29212936 63578
WO-18
1 20441U 90  5  F 91 98.62500630  .00001030  00000-0  42067-3 0  2173
2 20441  98.6723 178.8625 0012888  16.0879 344.0710 14.29256413 63064
LO-19
1 20442U 90  5  G 91 98.67315919  .00000948  00000-0  38790-3 0  2190
2 20442  98.6722 178.9615 0012935  16.0300 344.1292 14.29331789 63073
GPS BII-06
1 20452U 90  8  A 91 67.75229359  .00000004  00000-0  99999-4 0  1530
2 20452  54.3982 245.2075 0046174  52.4825 307.8626  2.00554625  8154
MOS-1B
1 20478U 90 13  A 91 95.69150984  .00000394  00000-0  31838-3 0  5280
2 20478  99.1527 169.1776 0000720  59.0492 301.0717 13.94850473 58917
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1 20479U 90 13  B 91 93.91871044  .00000043  00000-0  14529-3 0  1905
2 20479  99.0237  90.1908 0541434 109.7385 256.2927 12.83174670 54039
FO-20
1 20480U 90 13  C 91 95.95061253  .00000128  00000-0  33559-3 0  1847
2 20480  99.0234  91.8358 0541770 105.2185 260.9466 12.83183119 54293
MOS-1B R/B
1 20491U 90 13  D 91 96.04118310 -.00000213  00000-0 -37598-3 0  2134
2 20491  99.0208 103.7447 0471182  64.7603 300.1536 13.02808483 54533
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1 20496U 90 15  A 91 97.43419460  .00013694  00000-0  71044-3 0  4899
2 20496  43.0944 140.9475 0018038  38.3709 321.8413 15.15884051 63163
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1 20497U 90 15  B 91 96.49387210  .00030575  00000-0  60476-3 0  5190
2 20497  43.1018  51.7371 0018128 120.8092 239.4570 15.46361495 64067
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1 20508U 90 17  A 91 97.29675364  .00000434  00000-0  45428-3 0  2697
2 20508  82.9551 203.0288 0043520 247.6854 111.9587 13.73297917 55371
OKEAN 2
1 20510U 90 18  A 91 97.99925432  .00005586  00000-0  83073-3 0  4594
2 20510  82.5278 185.9763 0020726  37.1833 323.0808 14.74681481 59498
INTELSAT-6
1 20523U 90 21  A 91 91.55355126 -.00000992  00000-0 -77177-4 0  4503
2 20523  28.3374 172.8868 0015279  28.8362 331.3048 15.03589821 57875
GPS BII-07
1 20533U 90 25  A 91102.06551073 -.00000034  00000-0  99999-4 0  1527
2 20533  55.1901   3.8784 0034818  96.0580 264.3744  2.00567840  7614
PegSat
1 20546U 90 28  A 91102.20792239  .00026317  00000-0  13968-2 0  4952
2 20546  94.1016  14.9865 0126420 332.6081  26.9635 15.08529582 55018
HST
1 20580U          91 96.43773098  .00007170  00000-0  76506-3 0  4044
2 20580  28.4694 180.9716 0005316 285.1837  74.8140 14.87108812 51629
Glonass 44
1 20619U 90 45  A 91 97.39076740 -.00000018  00000-0  99999-5 0  4319
2 20619  65.0569  28.8524 0022275 218.2250 141.6307  2.13102992  6892
Glonass 45
1 20620U 90 45  B 91 97.03935553 -.00000018  00000-0  99999-4 0  4485
2 20620  65.0431  28.8656 0008206  24.2136 335.8244  2.13103138  6894
Glonass 46
1 20621U 90 45  C 91 97.09820381 -.00000018  00000-0  99999-4 0  3843
2 20621  65.0699  28.8740 0012391 210.2386 149.6945  2.13102649  6894
Kristall
1 20635U          91 99.80729406 0.00074471           70274-3 0  4282
2 20635  51.6006 274.2342 0013446 161.1465 198.9329 15.66250670 48991
ROSAT
1 20638U 90 49  A 91102.26332644  .00008108  00000-0  65562-3 0  2317
2 20638  52.9874 161.3853 0015293 152.9726 207.2084 15.00506700 47137
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Meteor 2-19
1 20670U 90 57  A 91 97.99738135  .00000296  00000-0  25671-3 0  1675
2 20670  82.5445  54.6394 0015199 175.3570 184.7737 13.83937039 39295
CRRES
1 20712U 90 65  A 91 93.82492060 -.00017334  00000-0 -23461-1 0  1927
2 20712  17.9814 302.5341 7110348  33.7866 356.1522  2.44039993  6169
GPS BII-08
1 20724U 90 68  A 91 55.54435681  .00000016  00000-0  99999-4 0   845
2 20724  54.6996 186.1883 0096447 122.6748 238.2165  2.00563932  4103
Feng Yun1-2
1 20788U 90 81  A 91 96.95367471  .00000451  00000-0  32324-3 0  1292
2 20788  98.9462 131.9327 0015324  18.7930 341.3802 14.01105772 30231
Meteor 2-20
1 20826U 90 86  A 91 98.05674273  .00000560  00000-0  49983-3 0  1238
2 20826  82.5323 353.6736 0014884  73.0832 287.1957 13.83324362 26512
GPS BII-09
1 20830U 90 88  A 91 92.47526014  .00000012  00000-0  99999-4 0   890
2 20830  54.9154 127.0815 0074356 115.5295 245.3041  2.00568450  3923
GPS BII-10
1 20959U 90103  A 91 76.43064871  .00000017  00000-0  99999-4 0   262
2 20959  54.9591 186.9802 0045402 213.8318 146.2541  2.00567535  2193
DMSP B5D2-5
1 20978U 90105  A 91 97.93473245  .00001872  00000-0  70605-3 0  1063
2 20978  98.8442 133.5330 0080772 345.9981  13.8962 14.30818501 18205
Soyuz TM-11
1 20981U          91 99.80729835 0.00074490           70274-3 0  1336
2 20981  51.6086 274.2302 0013829 159.0624 201.0336 15.66249847 20108
Glonass 47
1 21006U 90110  A 91 97.60655418  .00000020  00000-0  99999-4 0  1129
2 21006  64.8356 148.3964 0061895 186.7478 173.2348  2.13102060  2586
Glonass 48
1 21007U 90110  B 91 97.78325764  .00000020  00000-0  99999-4 0  1295
2 21007  64.8538 148.4196 0039269 181.3305 178.7296  2.13100257  2585
Glonass 49
1 21008U 90110  C 91 97.66607886  .00000020  00000-0  99999-4 0  1088
2 21008  64.8419 148.4123 0011127 289.2455  70.7082  2.13100318  2583
INFORMTR-1
1 21087U 91  6  A 91 97.92087855  .00000279  00000-0  28284-3 0   293
2 21087  82.9416 285.7220 0036823  93.3127 267.2243 13.74365046  9377
Cosmos 2123
1 21089U 91  7  A 91 97.63499873  .00000284  00000-0  29183-3 0   319
2 21089  82.9281 156.4059 0030239 112.8985 247.5358 13.73884127  8458
MOP-2
1 21140U 91 15  B 91 97.28897163  .00000004  00000-0  99999-4 0   325
2 21140   1.1414 297.0546 0002168  14.4682 344.4133  1.00295186   156
INMARSAT 2
1 21149U 91 18  A 91 92.28410505  .00000039  00000-0  99999-4 0   163
2 21149   2.6899 295.7828 0005580 334.1341  25.3237  1.00260191   283
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Nadezhda 3
1 21152U 91 19  A 91 98.02659369  .00000006  00000-0  00000 0 0   174
2 21152  82.9251 110.8550 0040705 217.7027 142.1311 13.73324787  3609
Progress M7
1 21188U          91100.82811571 0.00075747           70999-3 0   463
2 21188  51.6062 269.0490 0013291 163.9149 196.2190 15.66411972  3509
Cosmos 2137
1 21190U          91 98.96435560 0.00019443           61617-3 0   230
2 21190  65.8481 310.9095 0034638 330.7859  29.1352 15.32192767  3124
1991 021B
1 21191U          91100.11982342 0.00038570           11489-2 0   397
2 21191  65.8356 307.0670 0033334 341.7251  18.2699 15.33937275  3307
Molniya3-40
1 21196U          91100.38301450 -.00000184          -16418-3 0   239
2 21196  62.8635 311.2283 7432023 280.5169  10.6790  2.00620824   392
1991 022D
1 21199U          91 99.07268553 -.00000297           65766-3 0   101
2 21199  62.8604 311.2312 7374935 280.7573  10.9850  2.05642736   371
1991 014E
1 21201U 91 14  E 91 97.49516410  .00003466  00000-0  16263-2 0   100
2 21201  47.4901 238.4645 7230138   9.8658 358.7815  2.33011379   911
1991 014F
1 21202U 91 14  F 91 97.40565262  .00010328  00000-0  16535-2 0    74
2 21202  47.4234 238.3029 7246009  10.0353 359.0600  2.33788539   911
Cosmos 2138
1 21203U          91101.18940487 0.00927270  28397-4  33873-3 0   405
2 21203  67.1430 323.7883 0091478  61.6084 299.4720 16.14422846  2518
1991 023B
1 21204U 91 23  B 91 87.84647494  .18280002  30103-4  33209-3 0   134
2 21204  67.1627   8.6511 0046059  91.9560 269.0962 16.41670542   375
Almaz-1
1 21213U          91100.64219725 0.00197238  17998-4  33650-3 0   254
2 21213  72.7020  76.2107 0010208 245.3491 114.7458 16.02322340  1612
Cosmos 2139
1 21216U          91100.03443680 -.00000018           10000-3 0    96
2 21216  64.7970  28.9265 0003240 245.5182 114.4609  2.12987661   136
Cosmos 2140
1 21217U          91100.97419384 -.00000018           10000-3 0   106
2 21217  64.7996  28.8761 0005368 253.7216 106.2313  2.12959245   157
Cosmos 2141
1 21218U          91100.97412860 -.00000018           10000-3 0   110
2 21218  64.7924  28.8879 0022889 254.8745 104.8147  2.13528633   158
Anik E-2
1 21222U          91100.08787338 -.00000055           10000-3 0    89
2 21222   0.2509 356.1519 1290704 180.1899 183.1289  1.20450068    48
1991 026B
1 21223U 91 26  B 91 96.09063256 -.00192289  00000-0 -60963 0 0    58
2 21223   4.2666 356.7781 7229601 180.9322 174.1422  2.25881426    26
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GRO
1 21225U   91100.12772834 -.00002843   -76861-4 0   88
2 21225 28.4638 207.4983 0010048 320.2781 39.7107 15.37997329   703
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Dr TS Kelso   Assistant Professor of Space Operations
tkelso@blackbird.afit.af.mil   Air Force Institute of Technology

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Date: 13 Apr 91 04:23:28 GMT
From: chinet!jej@gargoyle.uchicago.edu
Subject: Where Is the Drake R8??
To: info-hams@ucsd.edu

 OK, it is April, time for Spring and.... the DRAKE R8 receiver! I was told
by Drake employees three months ago that Drake will introduce the R8
shortwave receiver in April.

Maybe I should bring my checkbook to Dayton...

--

Joseph Jesson mhs!amoco!joseph_e_jesson@attmail.com or jej@chinet.chi.il.us
21414 W. Honey Lane, Lake Villa, IL, 60046 Compuserve 73707,275

Date: 13 Apr 91 15:33:55 GMT
From: usc!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!emory!wa4mei!ke4zv!gary@ucsd.edu
To: info-hams@ucsd.edu

References <1991Mar29.044134.613@bradley.bradley.edu>, <2647@ke4zv.UUCP>,
<1620@aupair.cs.athabascau.ca>4me
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: Feed lines

In article <1620@aupair.cs.athabascau.ca> lyndon@cs.athabascau.ca (Lyndon
Nerenberg) writes:
>gary@ke4zv.UUCP (Gary Coffman) writes:
>
>>If you are running any reasonable amount of power, you *will* cross couple
>>enough into the CATV system to make TV viewers very unhappy with you. You
>>should feed the cables through *separate* pieces of metal conduit where
>>they run side by side.
>

>I don't know about that. Why not do a run of RG-214, or some other doubly
>shielded cable? If it'll keep RF out of the repeater input from 600 KHz
>away, it should do the trick over a 24 MHz split. I assume he's running
>a low pass filter as well ...

I can tell you this, neatly lacing your 9913 doubly shielded coaxes from your Oscar station together for a few feet will ruin your day. CATV signals are orders of magnitude stronger than satellite signals, but the level required to herringbone a picture is much smaller than the CATV signal level. Typical 99% shielding just isn't good enough when you run your cables touching each other. If your local cable outfit is using cable channel 18 for HBO like ours does, you have 0 Mhz separation since cable channel 18 is 145 Mhz!

Gary KE4ZV

End of Info-Hams Digest
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